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OM protein - protein search, using sw model

Run on: January 30, 2002, 11:49:55 ; Search time 53.29 Seconds

(without alignments)
36.140 Million cell updates/sec

Title: US-09-432-546-6

Perfect score: 183
Sequence: 1 RRPWWKWLIGGYDPAPPPPP 26

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 522463 seqs, 74073290 residues

Total number of hits satisfying chosen parameters: 522463

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

1: /SID8/gcgdata/geneseq/geneseq/AA1980.DAT.*
2: /SID8/gcgdata/geneseq/geneseq/AA1981.DAT.*
3: /SID8/gcgdata/geneseq/geneseq/AA1982.DAT.*
4: /SID8/gcgdata/geneseq/geneseq/AA1983.DAT.*
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13: /SID8/gcgdata/geneseq/geneseq/AA1992.DAT.*
14: /SID8/gcgdata/geneseq/geneseq/AA1993.DAT.*
15: /SID8/gcgdata/geneseq/geneseq/AA1994.DAT.*
16: /SID8/gcgdata/geneseq/geneseq/AA1995.DAT.*
17: /SID8/gcgdata/geneseq/geneseq/AA1996.DAT.*
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20: /SID8/gcgdata/geneseq/geneseq/AA1999.DAT.*
21: /SID8/gcgdata/geneseq/geneseq/AA2000.DAT.*
22: /SID8/gcgdata/geneseq/geneseq/AA2001.DAT.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	183	100.0	26	21	AA192798
2	99	54.1	13	21	AA192796
3	99	54.1	13	21	AA192806
4	99	54.1	14	21	AA192797
5	99	54.1	15	22	AA192749
6	99	54.1	68	21	AA192840
7	78.5	42.9	15	21	AA192837
8	78	42.6	14	18	AA192809
9	75	41.0	15	18	AA192801
10	73	39.9	11	22	AA192743
11	73	39.9	13	16	AA192845

12	73	39.9	13	19	AA192454	Indolicidin analog
13	73	39.9	13	21	AA191775	Amino acid sequenc
14	71.5	39.1	248	14	AA191891	T. thermophilus HB8
15	70.5	38.5	15	19	AA192360	Indolicidin analog
16	70.5	38.5	15	21	AA191784	Amino acid sequenc
17	70	38.3	12	19	AA192456	Indolicidin analog
18	70	38.3	12	19	AA192451	Indolicidin analog
19	70	38.3	12	21	AA191787	Amino acid sequenc
20	70	38.3	12	21	AA191792	Amino acid sequenc
21	70	38.3	13	18	AA192805	Antimicrobial cati
22	70	38.3	13	19	AA192460	Antimicrobial cati
23	70	38.3	13	19	AA192455	Indolicidin analog
24	70	38.3	13	19	AA192456	Indolicidin analog
25	70	38.3	13	21	AA191786	Cationic peptide o
26	70	38.3	13	21	AA191794	Amino acid sequenc
27	70	38.3	27	19	AA192363	Indolicidin analog
28	70	38.3	28	21	AA191800	Antimicrobial cati
29	69.5	38.0	16	21	AA192899	Amino acid sequenc
30	69	37.7	520	22	AA192899	Indolicidin analog
31	68.5	37.4	534	21	AA192899	Antimicrobial cati
32	68	37.2	615	21	AA192899	Murine WASP protei
33	67.5	36.9	16	18	AA192882	A. thaliana enviro
34	67	36.6	11	19	AA192459	Tobacco ethylene i
35	67	36.6	11	21	AA191834	Antimicrobial cati
36	67	36.6	13	18	AA192719	Indolicidin analog
37	67	36.6	13	18	AA192889	Antimicrobial cati
38	67	36.6	13	18	AA192894	Antimicrobial cati
39	67	36.6	13	19	AA192461	Indolicidin analog
40	67	36.6	13	21	AA191795	Amino acid sequenc
41	67	36.6	20	19	AA192453	Indolicidin analog
42	67	36.6	20	21	AA191797	Amino acid sequenc
43	67	36.6	63	21	AA194468	Poly-(Indol (1-13)
44	67	36.6	63	21	AA195714	Indolicidin fusion
45	67	36.6	112	15	AA192222	Ypx polypeptide 1.

ALIGNMENTS

RESULT 1
ID AAY92798 standard; peptide; 26 AA.
XX
AC AAY92798;
XX
DT 29-AUG-2000 (first entry)
XX
DE Synthetic antimicrobial peptide, Rev4-C-fusion.
XX
KW Magainin; antimicrobial; transgenic plant; protease degradation; Rev4;
XX indolicidin; protein production; reverse peptide.
XX
OS Synthetic.
XX
XX WO200026344-A1.
XX
XX 11-MAY-2000.
XX
PD 11-MAY-2000.
XX
PF 29-OCT-1999; 99WO-US25561.
XX
PR 30-OCT-1998; 98US-0106373.
XX
PR 02-NOV-1998; 98US-0106537.
XX
PA (INTE-) INTERLINK BIOTECHNOLOGIES LLC.
XX (KENT) UNIV KENTUCKY RES FOUND.
XX
XX Everett NP, Li Q, Lawrence C, Davies MH;
XX WPI; 2000-365597/31.
XX
XX Polypeptides for reducing proteolytic degradation of proteins
XX administered to, or produced by a plant comprise indolicidin or its
XX functional equivalents

XX Claim 4; Page 34; 50pp; English.
PS
CC Indolicidin is a potent antimicrobial tridecapeptide, originally purified
CC from cytoplasmic granules of bovine neutrophils. Rev4 (reverse
CC indolicidin) with a C-terminal extension of 13 amino acids
CC was found to have increased stability against plant protease degradation
CC as well as potent antifungal activity. Expression of antimicrobial
CC peptides in transgenic plants suffers a major limitation in that the
CC foreign peptides are susceptible to rapid degradation by proteases. The
CC invention concerns reducing the extent of protease degradation of a
CC protein applied to, or produced by a plant by administering indolicidin,
CC Rev4 or a functional equivalent to the plant. Transgenic plants
CC expressing indolicidin and Rev4 are useful for production of the
CC antimicrobial peptides. Compositions containing indolicidin and Rev4 are
CC also useful for production of agronomically important proteins in plants.
SQ Sequence 26 AA;

Query Match 100.0%; Score 183; DB 21; Length 26;
Best Local Similarity 100.0%; Pred. No. 3.9e-14;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRPWWPWWKWPPIIGGGYDPAPEPP 26
DB 1 RRPWWPWWKWPPIIGGGYDPAPEPP 26

RESULT 2
AA92796
ID AA92796 standard; peptide; 13 AA.
XX
XX AA92796;
XX
XX 29-AUG-2000 (first entry)
XX

DE Synthetic antimicrobial peptide, indolicidin reverse peptide, Rev4-amide.
XX
XX Magainin; antimicrobial; transgenic plant; protease degradation; Rev4;
XX indolicidin; protein production; reverse peptide.
XX
XX
XX Synthetic.
OS

EH Key Location/Qualifiers
FT Modified-site 13
FT /note- "amided"

XX WO200026344-A1.

XX 11-MAY-2000.

XX 29-OCT-1999; 99WO-US25561.

XX 30-OCT-1998; 98US-0106373.

XX 02-NOV-1998; 98US-0106537.

XX (INTE-) INTERLINK BIOTECHNOLOGIES LLC.
XX (KENT) UNIV KENTUCKY RES FOUND.

XX Everett NP, LI Q, Lawrence C, Davies MH;

XX WPI: 2000-365597/31.

XX N-PSDB; AAA28510.

XX Polypeptides for reducing proteolytic degradation of proteins
XX administered to, or produced by a plant comprise indolicidin or its
XX functional equivalents

XX Claim 28; Page 34; 50pp; English.

XX Indolicidin is a potent antimicrobial tridecapeptide, originally
XX purified from cytoplasmic granules of bovine neutrophils. Reverse

CC peptide, Rev4 of indolicidin (see AA92794) was found to have increased
CC stability against plant protease degradation. Expression of antimicrobial
CC peptides in transgenic plants suffers a major limitation in that the
CC foreign peptides are susceptible to rapid degradation by proteases. The
CC invention concerns reducing the extent of protease degradation of a
CC protein applied to, or produced by a plant by administering indolicidin,
CC Rev4 or a functional equivalent to the plant. Transgenic plants
CC expressing indolicidin and Rev4 are useful for production of the
CC antimicrobial peptides. Compositions containing indolicidin and Rev4 are
CC also useful for production of agronomically important proteins in
CC plants.
SQ Sequence 13 AA;

Query Match 54.1%; Score 99; DB 21; Length 13;
Best Local Similarity 100.0%; Pred. No. 4.2e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRPWWPWWKWPPI 13
DB 1 RRPWWPWWKWPPI 13

RESULT 3
AA92806
ID AA92806 standard; peptide; 13 AA.
XX
XX AA92806;
XX

XX 29-AUG-2000 (first entry)
XX

XX Antimicrobial peptide, indolicidin reverse peptide, Rev4.

XX Magainin; antimicrobial; transgenic plant; protease degradation; Rev4;
XX indolicidin; protein production; reverse peptide.
XX

XX Synthetic.
OS

XX WO200026344-A1.

XX 11-MAY-2000.

XX 29-OCT-1999; 99WO-US25561.

XX 30-OCT-1998; 98US-0106373.

XX 02-NOV-1998; 98US-0106537.

XX (INTE-) INTERLINK BIOTECHNOLOGIES LLC.
XX (KENT) UNIV KENTUCKY RES FOUND.

XX Everett NP, LI Q, Lawrence C, Davies MH;

XX WPI: 2000-365597/31.

XX N-PSDB; AAA28510.

XX Polypeptides for reducing proteolytic degradation of proteins
XX administered to, or produced by a plant comprise indolicidin or its
XX functional equivalents

XX Claim 28; Page 35; 50pp; English.

XX Indolicidin is a potent antimicrobial tridecapeptide, originally
XX purified from cytoplasmic granules of bovine neutrophils. Reverse
XX peptide, Rev4 of indolicidin (see AA92794) was found to have increased
XX stability against plant protease degradation. Expression of antimicrobial
XX peptides in transgenic plants suffers a major limitation in that the
XX foreign peptides are susceptible to rapid degradation by proteases. The
XX invention concerns reducing the extent of protease degradation of a
XX protein applied to, or produced by a plant by administering indolicidin,
XX Rev4 or a functional equivalent to the plant. Transgenic plants
XX expressing indolicidin and Rev4 are useful for production of the
XX antimicrobial peptides. Compositions containing indolicidin and Rev4 are

CC also useful for production of agronomically important proteins in
CC plants.
XX
SQ Sequence 13 AA:

Query Match 54.1%; Score 99; DB 21; Length 13;
Best Local Similarity 100.0%; Pred. No. 4.2e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRPWPMWKWPLI 13
Db 1 RRPWPMWKWPLI 13

RESULT 4

AA92797
ID AA92797 standard; peptide; 14 AA.

XX
AC AA92797;

XX
DT 29-AUG-2000 (first entry)

XX
DE Synthetic antimicrobial peptide, Ser-Rev4-OH.

XX
KW Magainin; antimicrobial; transgenic plant; protease degradation; Rev4;
indolicidin; protein production; reverse peptide.

XX
OS Synthetic.

XX
PN WO20002644-A1.

XX
PD 11-MAY-2000.

XX
PF 29-OCT-1999; 99WO-US25561.

XX
PR 30-OCT-1998; 98US-0106373.

XX
PR 02-NOV-1998; 98US-0106373.

XX
PA (INTE-) INTERLINK BIOTECHNOLOGIES LLC.

XX
PI (KENT) UNIV KENTUCKY RES FOUNO.

XX
PI Everett NP, Li Q, Lawrence C, Davies MH;

XX
DR WPI; 2000-365597/31.

XX
PT Polypeptides for reducing proteolytic degradation of proteins
administered to, or produced by a plant comprise indolicin or its
functional equivalents

XX
PS Claim 3; Page 34; 50pp; English.

XX
CC Indolicidin is a potent antimicrobial tridecapeptide, originally purified
from cytoplasmic granules of bovine neutrophils. A non C-terminal amide
analogue of Rev4 (reverse indolicidin) with an additional N-terminal Ser
was found to have increased stability against plant protease degradation
as well as potent antifungal activity. Expression of antimicrobial
peptides in transgenic plants suffers a major limitation in that the
foreign peptides are susceptible to rapid degradation by proteases. The
invention concerns reducing the extent of protease degradation of a
protein applied to, or produced by a plant by administering indolicidin,
Rev4 or a functional equivalent to the plant. Transgenic plants
expressing indolicidin and Rev4 are useful for production of the
antimicrobial peptides. Compositions containing indolicidin and Rev4 are
also useful for production of agronomically important proteins in plants.

XX
SQ Sequence 14 AA:

Query Match 54.1%; Score 99; DB 21; Length 14;
Best Local Similarity 100.0%; Pred. No. 4.5e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRPWPMWKWPLI 13
Db 2 RRPWPMWKWPLI 14

RESULT 5

AA97449
ID AA97449 standard; Protein; 15 AA.

XX
AC AA97449;

XX
DT 31-JUL-2001 (first entry)

XX
DE Peptide nucleic acid peptide fragment #17.

XX
KW Peptide nucleic acid; PNA; antibiotic; antisense; enterococcus;
Staphylococcus aureus; Escherichia coli; infectious disease;
disinfectant; cationic peptide; linker.

XX
OS Synthetic.

XX
PN WO200127261-A2.

XX
PD 19-APR-2001.

XX
PF 13-OCT-2000; 2000WO-DK00580.

XX
PR 13-OCT-1999; 99DK-0001467.

XX
PR 15-OCT-1999; 99US-0159679.

XX
PR 15-OCT-1999; 99US-0159684.

XX
PR 03-DEC-1999; 99DK-0001734.

XX
PR 03-DEC-1999; 99DK-0001735.

XX
PR 28-MAR-2000; 2000DK-0000522.

XX
PR 19-APR-2000; 2000DK-0000670.

XX
PR 14-APR-2000; 2000DK-0000671.

XX
PR 14-JUN-2000; 2000US-0211435.

XX
PR 14-JUN-2000; 2000US-0211758.

XX
PR 14-JUN-2000; 2000US-0211878.

XX
PA (PANT-) PANTHECO AS.

XX
PI Nielsen PE, Good L, Hansen HF, Beck F, Malik L, Schou C;

XX
PI Wissenbach M, Giercman BK;

XX
DR WPI; 2001-273770/28.

XX
PT New modified peptide nucleic acids and oligonucleotides, useful for
treating and preventing bacterial infections and disinfecting
non-living objects -

XX
PS Claim 15; Page 11; 81pp; English.

XX
CC The present invention provides the sequences of a number of peptide
nucleic acids (PNAs) joined by linker sequences. These are capable of
crossing bacterial cell walls due to the presence of the linker. The PNAs
can be used as antimicrobial agents, particularly as antibiotics against
E. coli, vancomycin-resistant enterococci and Staphylococcus aureus. The
present sequence is the peptide fragment of a PNA of the invention.

XX
SQ Sequence 15 AA:

Query Match 54.1%; Score 99; DB 22; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.8e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRPWPMWKWPLI 13
Db 2 RRPWPMWKWPLI 14

RESULT 6

ID	AAV92840	standard; Protein; 68 AA.
XX		
AC	AAV92840;	
DT	29-AUG-2000	(first entry)
XX		
DE	Rev4-PR-1b fusion.	
XX		
KM	Magainin; antimicrobial; transgenic plant; protease degradation; Rev4;	
KW	indolicidin; protein production; reverse peptide; ss.	
XX		
OS	Synthetic.	
PN	WO200026344-A1.	
XX		
PD	11-MAY-2000.	
PX		
PF	29-OCT-1999;	99WO-US25561.
XX		
PR	30-OCT-1998;	98US-0106373.
PR	02-NOV-1998;	98US-0106537.
XX		
PA	(INTE-) INTERLINK BIOTECHNOLOGIES LLC.	
PA	(KENT) UNIV KENTUCKY RES FOUND.	
XX		
PI	Everett NP, Li Q, Lawrence C, Davies MH;	
XX		
DR	WPI: 2000-365597/31.	
DR	N-PSTDB: AAA28519.	
XX		
PT	Polypeptides for reducing proteolytic degradation of proteins	
PT	administered to, or produced by a plant comprise indoliclin or its	
PT	functional equivalents	
XX		
PS	Disclosure: Page 35-36; 50pp; English.	
CC		
XX		
CC	Indolicidin is a potent antimicrobial tridecapeptide, originally	
CC	purified from cytoplasmic granules of bovine neutrophils. Reverse	
CC	peptide, Rev4 of indolicidin (see AAV92794) was found to have increased	
CC	stability against plant protease degradation. Expression of antimicrobial	
CC	peptides in transgenic plants suffers a major limitation in that the	
CC	foreign peptides are susceptible to rapid degradation by proteases. The	
CC	invention concerns reducing the extent of protease degradation of a	
CC	protein applied to, or produced by a plant by administering indolicidin,	
CC	Rev4 or a functional equivalent to the plant. Transgenic plants	
CC	expressing indolicidin and Rev4 are useful for production of the	
CC	antimicrobial peptides. Compositions containing indolicidin and Rev4 are	
CC	also useful for production of agronomically important proteins in	
CC	plants.	
XX		
SQ	Sequence	68 AA;
XX		
Query Match		54.1%; Score 99; DB 21; Length 68;
Best Local Similarity	100.0%;	Pred. No. 0.00021;
Matches	13; Conservative	0; Mismatches 0; Indels 0; Gaps 0.
OY	1 RRPWWPMKWPLI 13	
Db	56 RTWPWWPMKWPII 68	
RESULT	7	
ID	AAV58137	standard; peptide; 15 AA.
XX		
AC	AAV58137;	
XX		
DT	07-MAR-2000	(first entry)
XX		
DE	Gonadotropin releasing hormone (GnRH) peptide analogue 1.	

KW	Gonadotropin releasing hormone; GnRH; leukotoxin; LKT; fusion protein;
KW	antibody; immunogenic; chimeric; vaccine; testosterone; androgenic;
KM	non-androgenic; steroid; reduction; weight gain; muscle distribution;
KW	fat distribution; male pattern; boar taint; flavour; impairment;
KW	reliable; immunocastration; meat production.
XX	
OS	Synthetic.
XX	
FH	Key Location/Qualifiers
FT	Misc-difference 1..6 "D-form residues"
FT	/note=
FT	Modified-site 15 /note="C-terminally conjugated to ethyl amide"
XX	
PN	WO956771-A2.
XX	
PD	11-NOV-1999.
XX	
XX	05-MAY-1999; 99WO-CA00360.
PF	
XX	
PR	05-MAY-1998; 98US-0084217.
XX	
PA	(BIOS-) BIOSTAR INC.
XX	
PI	Manns JG, Acres SD, Harland R;
XX	
DR	WPI; 2000-062125/05.
XX	
PT	Production of uncastrated male food animals using vaccines -
PS	Disclosure; Page 11; 87pp; English.
XX	
CC	Sequences AAY58136-Y58141 represent gonadotropin releasing hormone
CC	(GnRH) analogues which may be used as an alternative to sequence
CC	AAY58135 in embodiments of the present invention. The invention
CC	relates to a method of using two GnRH immunogen vaccines to produce
CC	uncastrated male animals for meat production, one vaccination prior to
CC	or during the fattening period to reduce circulating testosterone
CC	levels, and the second vaccination about 2-8 weeks before slaughter to
CC	substantially reduce androgenic and/or non-androgenic steroids. The
CC	invention is used to produce food animals that exhibit the weight gain
CC	and muscle/fat distribution of male animals without the problems
CC	associated with male animals. Such problems include "boar taint", a
CC	urine-like odour found in cooked meat of uncastrated pigs which is
CC	caused by steroids stored in the tissues, and similar flavour
CC	impairments in the meat of other intact male animals. The invention is
CC	more reliable than prior art immunocastration techniques.
XX	
SQ	Sequence 15 AA:
	Query Match 42.9%; Score 78.5; DB 21; Length 15;
	Best Local Similarity 54.5%; Pred. No. 0.0091;
	Matches 12; Conservative 0; Mismatches 3; Indels 7; Gaps 1;
OY	5 WWPFWKPLIGGGYDPAPPPPP 26
DB	1 WWWWWP-----PPPPPPPP 15
RESULT	8
AAWI3809	
ID	AAWI3809 standard; peptide; 14 AA.
XX	
AC	AAWI3809;
XX	
DT	10-DEC-1997 (first entry)
XX	
DE	Antimicrobial cationic peptide CP-13.
XX	
Bacterial; viral; antitumour; food; preservative; inhibitor; growth;	
bacterium; yeast; endotoxaemia; sepsis; antibiotic; fungal;	
antiviral; Candida albicans; steriliant; Salmonella; Yersina;	

KM Bacterial; viral; antitumour; food; preservative; inhibitor; growth
KM bacterium; yeast; endotoxaemia; sepsis; antibiotic; fungal;
KM antiviral; *Candida albicans*; steriliant; *Salmonella*; *Yersinia*;
Shigella.

KM Peptide nucleic acid; PNA; antibiotic; antisense; enterococcus
 KM *Staphylococcus aureus*; *Escherichia coli*; infectious disease;
 KM disinfectant; cationic peptide; linker.
 XX
 OS Synthetic.

XX MPI: 1993-037629/05.
DR N-PSDB: AAQ36369.
XX
PT Escherichia coli expression vector for NADH-oxidase gene -
PT derived from gene isolated from Thermus thermophilus,
PT useful as highly stable bio-sensor
XX
PS Claim 1; Page 11 and Fig 7; 21pp; German.
XX
CC NADH-oxidase was purified and partially sequenced. Two probe pools
CC were designed based on the N-terminal amino acid sequence (see
CC AAQ36365 and AAQ36366) and were used to screen a genomic library of
CC T.thermophilus HB8 (ATCC 27634) in cosmid pHC79. A 2.2kb SacI
CC fragment hybridised to both probes and was further investigated.
CC The NADH-oxidase coding sequence was localised to a 1125bp sequence
CC and the N-terminal amino acid sequence deduced from the ORF
CC correlated with that obtained by direct sequencing of the purified
CC enzyme. E.coli expression vectors contg. the cns coding for the
CC 26.8kD NADH-oxidase are claimed. The recombinantly produced enzyme
CC can be used as a biosensor and being derived from a thermophilic
CC organism it is relatively heat-stable.
XX See also AAQ36367-Q36368.
XX
SQ Sequence 248 AA:

Query Match	39.1%	Score 71.5	DB 14	Length 248
Best Local Similarity	44.1%	Pred. No. 0.84		
Matches	15	Conservative	0	Mismatches 8; Indels 11; Gaps 3
QY	1	RRW-----PWWPKKPLLGCGATDAPAPP	25	
DB	167	fswgflupppspwmpwa-rttcg9gl-palppap	198	

RESULT	15
AAW66360	
ID	AAW66360 standard; peptide; 15 AA.
XX	
AC	AAW66360;
XX	
DT	12-JAN-1999 (first entry)
XX	
DE	Indolicidin analogue MBI 11A9.
XX	
KW	Indolicidin analogue; resistance; cationic peptide; antibiotic;
KW	bacterial infection; tolerance; antibacterial; microorganism;
KW	bacteria; fungus; parasite; virus.
OS	Bos taurus.
OS	Synthetic.
XX	
PN	WO9840401-A2.
XX	
PD	17-SEP-1998.
XX	
PF	10-MAR-1998; 98WO-CA00190.
XX	
PR	25-FEB-1998; 98US-0030619.
PR	10-MAR-1997; 97US-0040649.
PR	20-AUG-1997; 97US-0915314.
PR	26-SEP-1997; 97US-0060099.
XX	
PA	(MICR-) MICROLOGIX BIOTECH INC.
XX	
PI	Fraser JR, McNicol PJ, West MHP;
XX	
DR	WPI; 1998-520800/44.
XX	
PT	New indolicidin peptide analogues - useful for, e.g. enhancing
PT	activity of antibiotic or overcoming tolerance, acquired resistance
PT	or inherent resistance of microorganisms

xx Claim 1, Page 91; 105pp; English.

ps

xx The present sequence represents an indolicidin analogue. The present

cc invention describes compositions and methods for treating infection,

cc especially bacterial infections. The compositions and methods use

cc cationic peptides in combination with an antibiotic agent which are

cc then administered to a patient to enhance the activity of the antibiotic

cc agent, to overcome: (a) tolerance; (b) acquired resistance; and (c)

cc inherent resistance. The combinations of antibiotics and cationic

cc peptides can provide synergistic activity against a microorganism that

cc is tolerant, inherently resistant, or has acquired resistance to an

cc antibiotic agent. They can be used for killing e.g. bacteria, fungi,

cc parasites and viruses.

xx

xx Sequence 15 AA;

sq

Query Match 38.5%; Score 70.5; DB 19; Length 15;

Best Local Similarity 90.0%; Pred. No. 0.071; 0; Indels 1; Gaps 1;

Matches 9; Conservative 0; Mismatches 0;

0y 2 RWPMWPKWP 11
||||| 11

Db 3 rwpwpmw-wp 11

Search completed: January 30, 2002, 11:49:55
Job time: 94 sec

